

U.S. Patent Application Serial No. 10/026,823
Response filed May 11, 2005
Reply to OA dated February 16, 2005

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 Claim 1 (currently amended): A color-designating server which displays a screen for

2 designating color at a user terminal, which can be connected to a network, the color-designating
3 server comprising:

4 a matchable color database which stores data required for determining matchable colors;

5 a conditions-designating processing unit which transmits a conditions-designating screen for

6 designating conditions data, required for determining the matchable colors, to the user terminal;

7 a color data transmitting unit which determines colors which can be matched under the

8 conditions specified by the conditions data, designated in the conditions-designating screen, by
9 consulting the matchable color database, and transmits a result to the user terminal;

10 a customer database which stores user information, comprising use information relating to

11 items to be colored, in correlation with user ID, specifying users of the color-designating server; and

12 wherein, when the user has been identified, the conditions-designating processing unit

13 transmits the conditions-designating screen, specifying the types of resin and dye or pigment in
14 accordance with the use data of the user, which was obtained by consulting the customer database,

15 to the user terminal, and

16 the conditions-designating screen further comprises means of designating requirements,

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17 according to the requirements of the user, obtained by consulting the customer database.

1 Claim 2 (original): The color-designating server according to Claim 1, wherein the data
2 required for determining the matchable colors comprises at least the type of resin, the type of dye or
3 pigment, and the ratio when matching them.

1 Claim 3 (original): The color-designating server according to Claim 1, wherein the color
2 data transmitting unit provides a color gamut, comprising a region of colors which can be matched
3 from the matchable colors, in a color space, and transmits data for displaying a color-designating
4 screen for enabling colors to be designated in the color gamut to the user terminal.

1 Claim 4 (original): The color-designating server according to Claim 1, wherein the
2 matchable color database further stores basic color data relating to a plurality of basic colors,
3 determined by combining resins and dyes or pigments; and

4 the color data transmitting unit determines a color gamut, comprising a region of matchable
5 colors which can be matched from the basic colors under the conditions determined by the conditions
6 data, by consulting the matchable color database, and transmits the result to the user terminal.

1 Claim 5 (original): The color-designating server according to Claim 1, wherein the
2 matchable color database further stores color sample data relating to colors of color samples; and

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3 the color data transmission unit determines color samples which can be matched under the
4 conditions, determined by the conditions data, by consulting the matchable color database, and
5 transmits the result to the user terminal.

1 Claim 6 (original): The color-designating server according to Claim 1, further comprising
2 a color data receiving unit which receives color data relating to a color which was designated from
3 the matchable colors;
4 an arrangement calculating unit which calculates an arrangement ratio of resins and dyes or
5 pigments based the received color data; and
6 an arrangement result transmitting unit which transmits arrangement result data, output from
7 the arrangement calculating unit, to the user terminal.

1 Claim 7 (original): The color-designating server according to Claim 1, further comprising
2 a use data receiving unit which receives use data relating to an item to be colored from the user
3 terminal;
4 the conditions-designating processing unit transmitting the conditions-designating screen,
5 specifying the types of resin and dye or pigment in accordance with the use data, to the user terminal.

Claims 8 and 9 (canceled).

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1 Claim 10 (original): The color-designating server according to Claim 1, further comprising
2 a virtual item coloring processing unit which displays a virtual item conforming to actual
3 requirements in two-dimensions or three-dimensions in the color-designating screen, colors the
4 virtual item in the color which has been designated from the matchable colors, and allows the color
5 to be confirmed.

1 Claim 12 (currently amended): A color-designating receiving/ordering system
2 comprising at least a color-designating server which displays a screen for designating color at a user
3 terminal, which can be connected to a network, and a receive-order system which receives order data,
4 received from the user terminal by the color-designating server,
5 the color-designating server comprising:
6 a matchable color database which stores data required for determining matchable colors;

7 a conditions-designating processing unit which transmits a conditions-designating screen for
8 designating conditions data, required for determining the matchable colors, to the user terminal; and

9 a color data transmitting unit which determines colors which can be matched under the
10 conditions specified by the conditions data, designated in the conditions-designating screen, by
11 consulting the matchable color database, and transmits a result to the user terminal;

12 a receiving unit which, when a color has been designated from the matchable colors, and a
13 product in the color has been designated, receives designated product data for specifying the color
14 and the product, and order data, from the user terminal;

15 a transmitting unit which transmits the designated product data and the order data to the
16 receive-order system;

17 the receive-order system comprising a receive-order unit which performs receive-order
18 processing based on the order data, which has been received;

19 a customer database which stores user information, comprising use information relating to
20 items to be colored, in correlation with user ID, specifying users of the color-designating server; and
21 wherein, when the user has been identified, the conditions-designating processing unit
22 transmits the conditions-designating screen, specifying the types of resin and dye or pigment in
23 accordance with the use data of the user, which was obtained by consulting the customer database,
24 to the user terminal, and

25 the conditions-designating screen further comprises means of designating requirements,
26 according to the requirements of the user, obtained by consulting the customer database.

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1 Claim 13 (original): The color-designating receiving/ordering system according to Claim
2 12, further comprising a distribution system which manages the stock number of the products;
3 the color-designating server further comprising an available stock confirming unit which
4 extracts stock data of a product corresponding to the designated product data from the distribution
5 system, and determines whether it can be ordered; and
6 a transmitting unit which transmits the result of the determination to the user terminal.

1 Claim 14 (original): The color-designating receiving/ordering system according to Claim
2 12, further comprising an account system which manages data relating to the cost of the product; and
3 the color-designating server further comprising a price supplying unit which extracts current
4 price data of materials used in a product, which has been specified in the product-product data, from
5 the account system, and supplies a price of the product reflecting the current price to the user
6 terminal.

1 Claim 15 (original): The color-designating receiving/ordering system according to Claim
2 12, further comprising a manufacturing system which receives receive-order data from the receive-
3 order system, and manufactures a product based on the receive-order data.

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1 Claim 16 (currently amended): A color-designating method which displays a screen
2 for designating color at a user terminal, which can be connected to a network, the color-designating
3 method comprising:

4 a first step of transmitting a conditions-designating screen for designating conditions data,
5 required for determining matchable colors, to the user terminal;

6 a second step of determining colors which can be matched under the conditions specified by
7 the conditions data, designated in the conditions-designating screen, by consulting the matchable
8 color database, and transmitting the result to the user terminal;

9 a third step of specifying users of the color-designating server by accessing a customer
10 database which stores user information, comprising use information relating to items to be colored,
11 in correlation with user ID, and

12 when the user has been identified, a fourth step of transmitting the conditions-designating
13 screen, specifying the types of resin and dye or pigment in accordance with the use data of the user,
14 which was obtained by consulting the customer database, to the user terminal, and

15 wherein the conditions-designating screen further comprises means of designating
16 requirements, according to the requirements of the user, obtained by consulting the customer
17 database.

1 Claim 17 (original): The color-designating method according to Claim 16, the second step
2 comprising providing a color gamut, comprising a region of colors which can be matched from the

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3 matchable colors, in a color space, and transmitting data for displaying a color-designating screen
4 for enabling colors to be designated in the color gamut to the user terminal.

1 Claim 18 (currently amended): A color-designating receiving/ordering method using
2 a color-designating server which displays a screen for designating color at a user terminal, which can
3 be connected to a network, and a receive-order system which receives order data, received from the
4 user terminal by the color-designating server, the color-designating receiving/ordering method
5 comprising the steps of:

6 the color-designating server transmitting a conditions-designating screen for designating
7 conditions data, required for determining the matchable colors, to the user terminal;

8 the color-designating server determining colors which can be matched under the conditions
9 specified by the conditions data, designated in the conditions-designating screen, by consulting a
10 matchable color database, and transmitting the result to the user terminal;

11 specifying users of the color-designating server by accessing a customer database which
12 stores user information, comprising use information relating to items to be colored, in correlation
13 with user ID,

14 when the user has been identified, transmitting the conditions-designating screen, specifying
15 the types of resin and dye or pigment in accordance with the use data of the user, which was obtained
16 by consulting the customer database, to the user terminal;

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17 when a color has been designated from the matchable colors, and a product in the color has
18 been designated, the color-designating server receiving designated product data for specifying the
19 color and the product, and order data, from the user terminal;

20 the color-designating server transmitting the designated product data and the order data to
21 the receive-order system; and

22 the receive-order system performing receive-order processing based on the order data, which
23 has been received, and

24 wherein the conditions-designating screen further comprises means of designating
25 requirements, according to the requirements of the user, obtained by consulting the customer
26 database.

1 Claim 19 (currently amended): A computer-readable recording medium, which a
2 program of color-designating method for displaying a screen for designating color at a user terminal,
3 which can be connected to a network, is recorded in, the program comprising:

4 a first step of transmitting a conditions-designating screen for designating conditions data,
5 required for determining matchable colors, to the user terminal;

6 a second step of determining colors which can be matched under the conditions specified by
7 the conditions data, designated in the conditions-designating screen, by consulting the matchable
8 color database, and transmitting the result to the user terminal;

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9 a third step of specifying users of the color-designating server by accessing a customer
10 database which stores user information, comprising use information relating to items to be
11 colored, in correlation with user ID, and

12 when the user has been identified, a fourth step of transmitting the conditions-
13 designating screen, specifying the types of resin and dye or pigment in accordance with the use
14 data of the user, which was obtained by consulting the customer database, to the user terminal,
15 and

16 wherein the conditions-designating screen further comprises means of designating
17 requirements, according to the requirements of the user, obtained by consulting the customer
18 database.